

Abstract of the Disclosure

A fuel injector includes a seat, a movable member cooperating with the seat, and an orifice plate. The metering orifice disc includes a member having first and second generally parallel surfaces, and an orifice penetrating the member. The first surface generally faces the seat and represents the fuel entry side. The second surface faces opposite the first surface and represents the fuel exit side. The orifice is defined by a wall that couples the first and second surfaces. And the wall includes first and second portions. The first portion is spaced from the first surface and extends generally parallel to a longitudinal axis. The second portion couples the first portion to the first surface and extends at a first oblique angle that varies with respect to the first surface.